

CLEAN VERSION OF AMENDMENTS

IN THE SPECIFICATION

Please accept the following specification paragraphs in re-written "clean form".

The following paragraph replaces the 1st full paragraph on page 5:

131 The media are mixed by at least one incorporated surface 7 that is arranged in the main flow channel 1. This incorporated surface 7 is a so-called incorporated vortex surface that is used to generate leading-edge vortices. The leading edge 8 of the incorporated surface 7 that is configured, for example, as a circular disc, which is oriented against the flow in the main flow channel 1 and about which the flow can move freely, has components that act both in the direction of the main flow 9 and transversely to this. Since, in addition, each incorporated surface 7 is arranged at an acute angle α to the main direction of flow 9 in the flow channel 1, vortex fields are formed on each leading edge of the incorporated surface, and these widen out conically as they move downstream. When this happens, the individual vortices roll inward on the rear side 10 of the incorporated surface 7. The vortices that are formed on each individual leading edge 8 are largely stationery and thus do not change position. Because of its rotation, each vortex field forms a component of the flow that is transverse to the main direction 9 in which the gas is flowing, and this results in good mixing of the gas mixture because of the associated pulse exchange across the direction of flow.

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